RAW SEQUENCE LISTING DATE: 10/13/2000
PATENT APPLICATION: US/09/408,578 TIME: 10:25:27

Input Set : A:\P63882us.txt
Output Set: N:\CRF3\10132000\I408578.raw

<110> APPLICANT: HOLM, Arne

<120> TITLE OF INVENTION: Method for preparing and Ligand Presenting Assembly (LPA), and LPA, and uses thereof

<130> FILE REFERENCE: 162/P63882USO

<140> CURRENT APPLICATION NUMBER: 09/408,578

<141> CURRENT FILING DATE: 1999-09-29

<150> PRIOR APPLICATION NUMBER: DK PA 1998 01233

<151> PRIOR FILING DATE: 1998-09-29

<160> NUMBER OF SEQ ID NOS: 15

<170> SOFTWARE: PatentIn Ver. 2.1

<210> SEQ ID NO: 1

<211> LENGTH: 10

<212> TYPE: PRT

<213> ORGANISM: Artificial Sequence

<220> FEATURE:

<223> OTHER INFORMATION: Description of Artificial Sequence: Sequence derived from the OspC protein of Borrelia burgdorferi

<400> SEQUENCE: 1

Pro Val Val Ala Glu Ser Pro Lys Lys Pro
1 5 10

<210> SEQ ID NO: 2

<211> LENGTH: 20

<212> TYPE: PRT

<213> ORGANISM: Artificial Sequence

<220> FEATURE:

<223> OTHER INFORMATION: Description of Artificial Sequence: ESAT-6, 51-70 sequence of Mycobacterium tuberculosis

<400> SEQUENCE: 2

Gln Leu Ala Asn Asn Leu Glu Thr Ala Thr Ala Asp Trp Lys Gln Gln
1 5 10 15

Val Gly Gln Tyr
20

<210> SEQ ID NO: 3

<211> LENGTH: 17

<212> TYPE: PRT

<213> ORGANISM: Artificial Sequence

<220> FEATURE:

<223> OTHER INFORMATION: Description of Artificial Sequence: ESAT-6, 1-17 sequence of Mycobacterium tuberculosis

<400> SEQUENCE: 3

Ala Ser Ala Ala Ala Glu Ile Gly Ala Phe Asn Trp Gln Gln Glu Thr
1 5 10 15

Met

<210> SEQ ID NO: 4

<211> LENGTH: 12

<212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 10/13/2000
PATENT APPLICATION: US/09/408,578 TIME: 10:25:27

Input Set : A:\P63882us.txt
Output Set: N:\CRF3\10132000\I408578.raw

<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Chlamydia trachomatis DnaK 357-368 sequence
<400> SEQUENCE: 4
Lys Glu Pro Asn Lys Gly Val Asn Pro Asp Glu Val
1 5 10
<210> SEQ ID NO: 5
<211> LENGTH: 10
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Angiotensin I sequence
<400> SEQUENCE: 5
Asp Arg Val Tyr Ile His Pro Phe His Leu
1 5 10
<210> SEQ ID NO: 6
<211> LENGTH: 9
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Chlostridium thermosaccharolyticum peptide sequence 19-27
<400> SEQUENCE: 6
Asp Pro Thr Gln Asn Ile Pro Pro Gly
1 5
<210> SEQ ID NO: 7
<211> LENGTH: 15
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
<220> FEATURE:
<221> NAME/KEY: MOD_RES
<222> LOCATION: (1)..(2)
<223> OTHER INFORMATION: Beta-Ala
<220> FEATURE:
<221> NAME/KEY: MOD_RES
<222> LOCATION: (15)
<223> OTHER INFORMATION: Beta-Ala
<400> SEQUENCE: 7
Ala Ala Lys Glu Pro Asn Lys Gly Val Asn Pro Asp Glu Val Ala
1 5 10 15
<210> SEQ ID NO: 8
<211> LENGTH: 13
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:

RAW SEQUENCE LISTING DATE: 10/13/2000
PATENT APPLICATION: US/09/408,578 TIME: 10:25:27

Input Set : A:\P63882us.txt
Output Set: N:\CRF3\10132000\I408578.raw

```
141 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
143 <220> FEATURE:
144 <221> NAME/KEY: MOD_RES
145 <222> LOCATION: (13)
146 <223> OTHER INFORMATION: Beta-Ala
148 <400> SEQUENCE: 8
149 Lys Glu Pro Asn Lys Gly Val Asn Pro Asp Glu Val Ala
150   1               5                  10
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 8
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
161 <400> SEQUENCE: 9
162 Val Ala Glu Ser Pro Lys Lys Pro
163   1               5
166 <210> SEQ ID NO: 10
167 <211> LENGTH: 9
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
174 <400> SEQUENCE: 10
175 Val Val Ala Glu Ser Pro Lys Lys Pro
176   1               5
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 4
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
187 <400> SEQUENCE: 11
188 Pro Lys Lys Pro
189   1
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 10
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
200 <400> SEQUENCE: 12
201 Pro Lys Lys Pro Ser Glu Ala Val Val Pro
202   1               5                  10
205 <210> SEQ ID NO: 13
206 <211> LENGTH: 21
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
```

RAW SEQUENCE LISTING DATE: 10/13/2000
PATENT APPLICATION: US/09/408,578 TIME: 10:25:27

Input Set : A:\P63882us.txt
Output Set: N:\CRF3\10132000\I408578.raw

211 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
213 <400> SEQUENCE: 13
214 Lys Gln Leu Ala Asn Asn Leu Glu Thr Ala Thr Ala Asp Trp Lys Gln
215 1 5 10 15
217 Gln Val Gly Gln Tyr
218 20
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 18
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
229 <400> SEQUENCE: 14
230 Lys Ala Ser Ala Ala Ala Glu Ile Gly Ala Phe Asn Trp Gln Gln Glu
231 1 5 10 15
233 Thr Met
237 <210> SEQ ID NO: 15
238 <211> LENGTH: 9
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic LPA
245 <220> FEATURE:
246 <221> NAME/KEY: MOD_RES
247 <222> LOCATION: (1)
248 <223> OTHER INFORMATION: Asp(tBu)
250 <220> FEATURE:
251 <221> NAME/KEY: MOD_RES
252 <222> LOCATION: (3)
253 <223> OTHER INFORMATION: Thr(tBu)
255 <220> FEATURE:
256 <221> NAME/KEY: MOD_RES
257 <222> LOCATION: (4)
258 <223> OTHER INFORMATION: Gln(Trt)
260 <220> FEATURE:
261 <221> NAME/KEY: MOD_RES
262 <222> LOCATION: (5)
263 <223> OTHER INFORMATION: Asn(Trt)
265 <400> SEQUENCE: 15
266 Asp Pro Thr Gln Asn Ile Pro Pro Gly
267 1 5

VERIFICATION SUMMARY DATE: 10/13/2000
PATENT APPLICATION: US/09/408,578 TIME: 10:25:28

Input Set : A:\P63882us.txt
Output Set: N:\CRF3\10132000\I408578.raw